



CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001: 2015 Certified Company

NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory



Name of Work : Comprehensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10), BBMP, Bangalore.

Name of Client : Executive Engineer , R R Nagara Division, BBMP, Bangalore.

Contractor/Agency : Sri C T Raju, Contractor, Bangalore.

Total Cost : Rs. 947.87 Lakhs

Date of Inspection : 20.02.2021 ✓

Status of Bill : 1st and part Bill

In the Presence of : (a) Executive Engineer (W. No.17), BBMP, Bangalore.

: (b) Mr. Mohan G, Engineer

M/S Civil Quality Consultants and Engineers, Bangalore

Sl.No	Description of the Item	Comments / observations
1	Removing and Refixing stone slabs of drains and pointing in CM(1:3) Complete as per the direction of Engineer in charge with all lead and lift	: Work done up to the billed quantity and Quality is satisfactory
2	Earthwork excavation by manual means in ordinary soil involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated	: Work done up to the billed quantity and Quality is satisfactory
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by	: Work done up to the billed quantity and Quality is satisfactory
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and	: Work done up to the billed quantity and Quality is satisfactory
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or	: Work done up to the billed quantity and Quality is satisfactory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
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6	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry	: Work done up to the billed quantity and Quality is satisfactory
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including	: Work done up to the billed quantity and Quality is satisfactory
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse	: Work done up to the billed quantity and Quality is satisfactory
9	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc.,	: Work done up to the billed quantity and Quality is satisfactory
10	Providing one line dressing to granite stone slab / granite stone masonry as per specifications .Complete as per the direction of Engineer in	: Work done up to the billed quantity and Quality is satisfactory
11	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) Complete as per the direction of	
12	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading,	: Work done up to the billed quantity and Quality is satisfactory
13	Removing and resetting of Kerb stones Complete as per the direction of Engineer in charge with all lead and lift	: Work done up to the billed quantity and Quality is satisfactory
14	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and	: Work done up to the billed quantity and Quality is satisfactory
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour	: Work done up to the billed quantity and Quality is satisfactory
16	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and	: Work done up to the billed quantity and Quality is satisfactory
17	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming	: Work done up to the billed quantity and Quality is satisfactory

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18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/	Work done up to the billed quantity and Quality is satisfactory
19	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre	Work done up to the billed quantity and Quality is satisfactory
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road	Work done up to the billed quantity and Quality is satisfactory
21	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive	Work done up to the billed quantity and Quality is satisfactory
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating	Work done up to the billed quantity and Quality is satisfactory
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous	Work done up to the billed quantity and Quality is satisfactory
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the	Work done up to the billed quantity and Quality is satisfactory
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot	Work done up to the billed quantity and Quality is satisfactory
26	Road markers / Road stud Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted	Work done up to the billed quantity and Quality is satisfactory
27	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at	Work done up to the billed quantity and Quality is satisfactory
28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69	Work done up to the billed quantity and Quality is satisfactory
29	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of	Work done up to the billed quantity and Quality is satisfactory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 016.
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